

EDCON-COMPONENTS



Specifications

Features

- Glass passivated die construction
- Plastic Material used carries UL flammability recognition 94V-0
- High surge current capability
- High case dielectric strength of 1500V rms

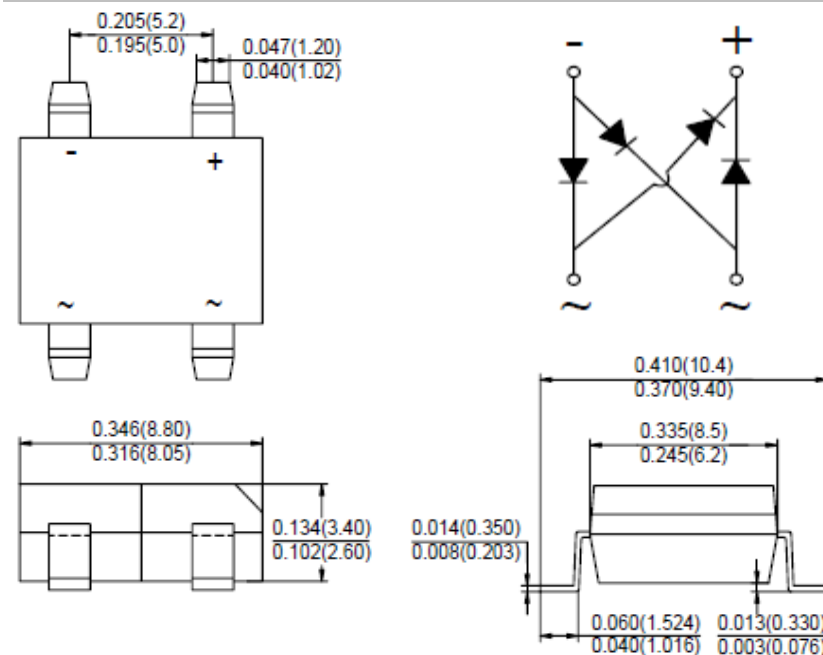
Mechanical Data

- CASE: Molded plastic body
- Terminals: plated leads solderable per MIL-STD-750, Method 2026
- Polarity: Polarity symbols marked on body
- Weight: 0,4gr.

Maximum Ratings & Electrical Characteristics Ratings at 25°C ambient temperature

	Sym bols	SDB 203	SDB 204	SDB 205	SDB 206	SDB 207		Unit	
Maximum reccurent peak reverse Voltage	VRRM	200	400	600	800	1000		Volt	
Maximum rms Input voltage	VRMS	140	280	420	560	700		Volt	
Maximum dc blocking Voltage	VDC	200	400	600	800	1000		Volt	
Maximum average forward output rectified TA=50°C	I(AV)	2,0						Amps	
Peak forward surge current 8,3ms single half sine-wave	IFSM	60						Amps	
Rating for dusing (t<8,3ms)	I²t	15						A²sec	
Maximum Thermal resistance per led (1)	RoJA	40,0						°C/W	
	RoJC	15,0							
Operation Junction and storage temp.ran	Tj, Tstg	-55°C ~ +150°C						°C	
Maximum Instantaneous Forward Voltage per Leg	Vf	1,1V						lfm=4	
Maximum DC reverse current at rated DC blocking voltage per leg	Ir	5,0µA						T=25°C	
		500µA						T=125°C	
DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	10.05.2010
APPD:	Schumi			FINISH	Jamy			Sheet No.	1 from 5

Technical Drawing (Unit: inch(mm))



Note (1) Thermal resistance from junction to ambient and from junction to lead mounted on PCB with 0,47 x 0,47" (12x12mm) copper pads

SMT Dual In-Line Bridge Rectifier 2A (Glass Passivated)

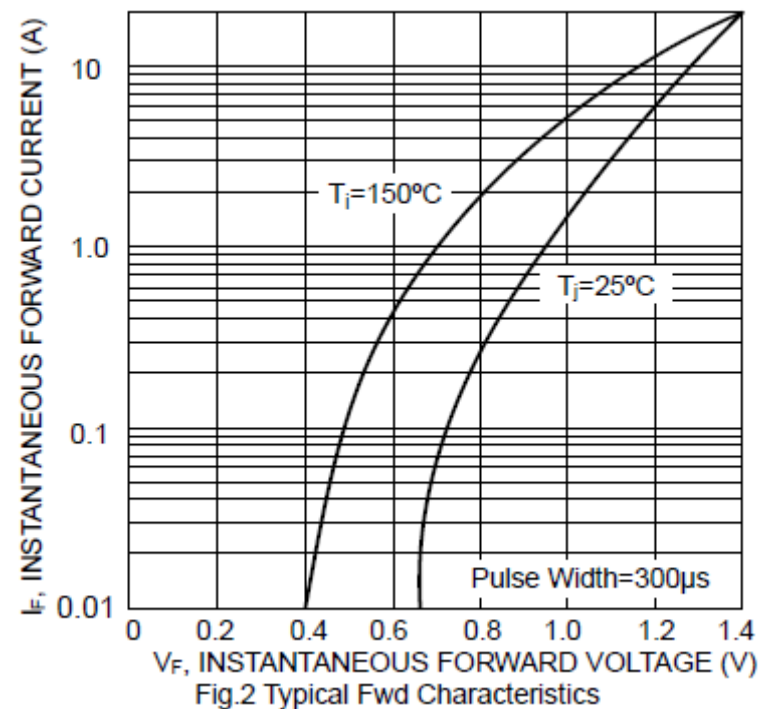
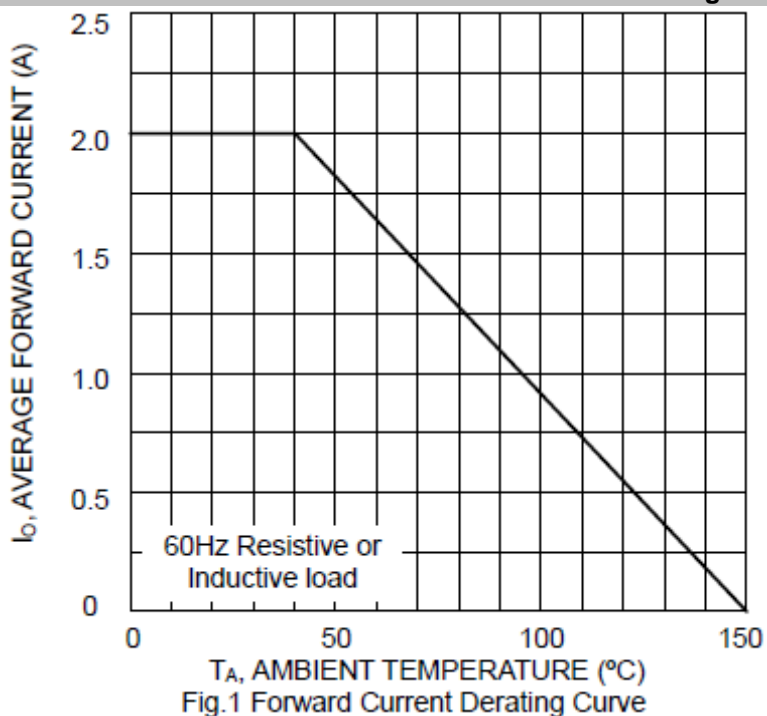
EDCON-Ser. **E12009**

International Serie: **SDB20x**

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Rating & Characteristics Curves (TA=25°C unless otherwise noted)



**SMT Dual Inline Bridge Rectifier
2A (Glass Passivated)**

EDCON-Ser. **E12009**

International Serie: **SDB20x**

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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

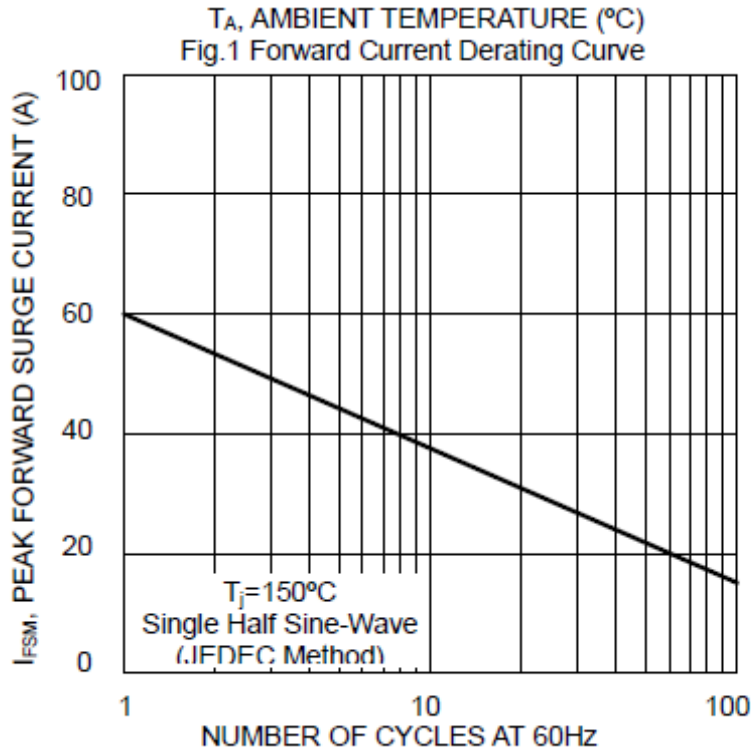


Fig.3 Max Non-Repetitive Peak Fwd Surge Current

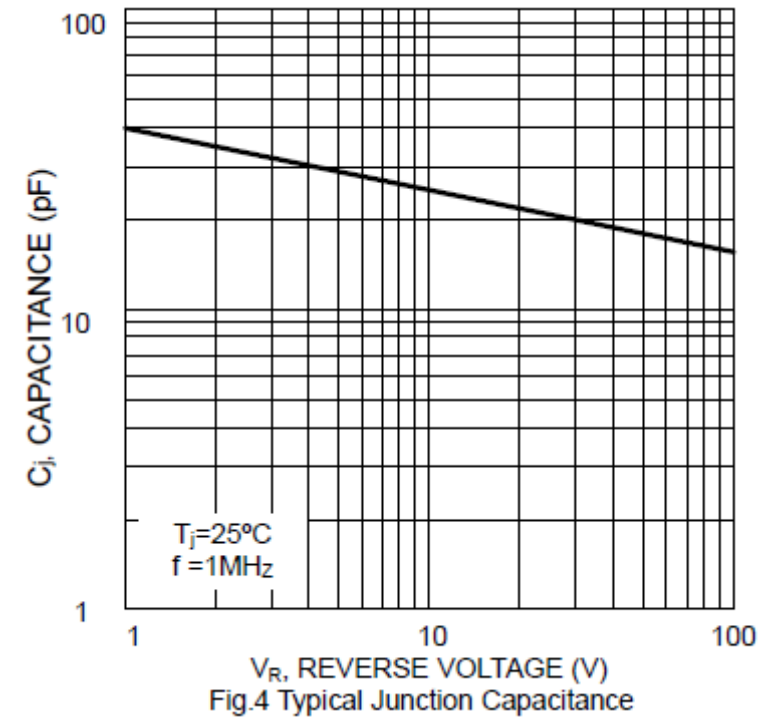


Fig.4 Typical Junction Capacitance

SMT Dual Inline Bridge Rectifier 2A (Glass Passivated)	
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Rating & Characteristics Curves (TA=25°C unless otherwise noted)

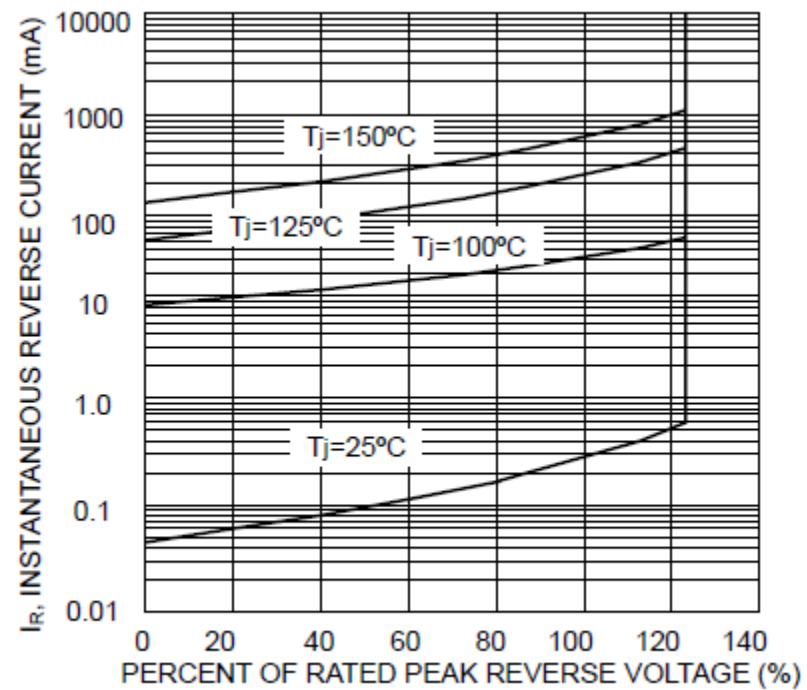


Fig.5 Typical Reverse Characteristics

Ordering Informations

EDCON Serie	International Type	Lead function	ROHS	Package
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E12009	SDB20x	LL	R	TU
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Look Voltage Code Table	LL = Long Lead	R = ROHS Conform	TU = Tube Packing
	L4 = Lead Length 4mm	N = NON ROHS Conform	

**SMT Dual Inline Bridge Rectifier
2A (Glass Passivated)**

EDCON-Ser. **E12009**

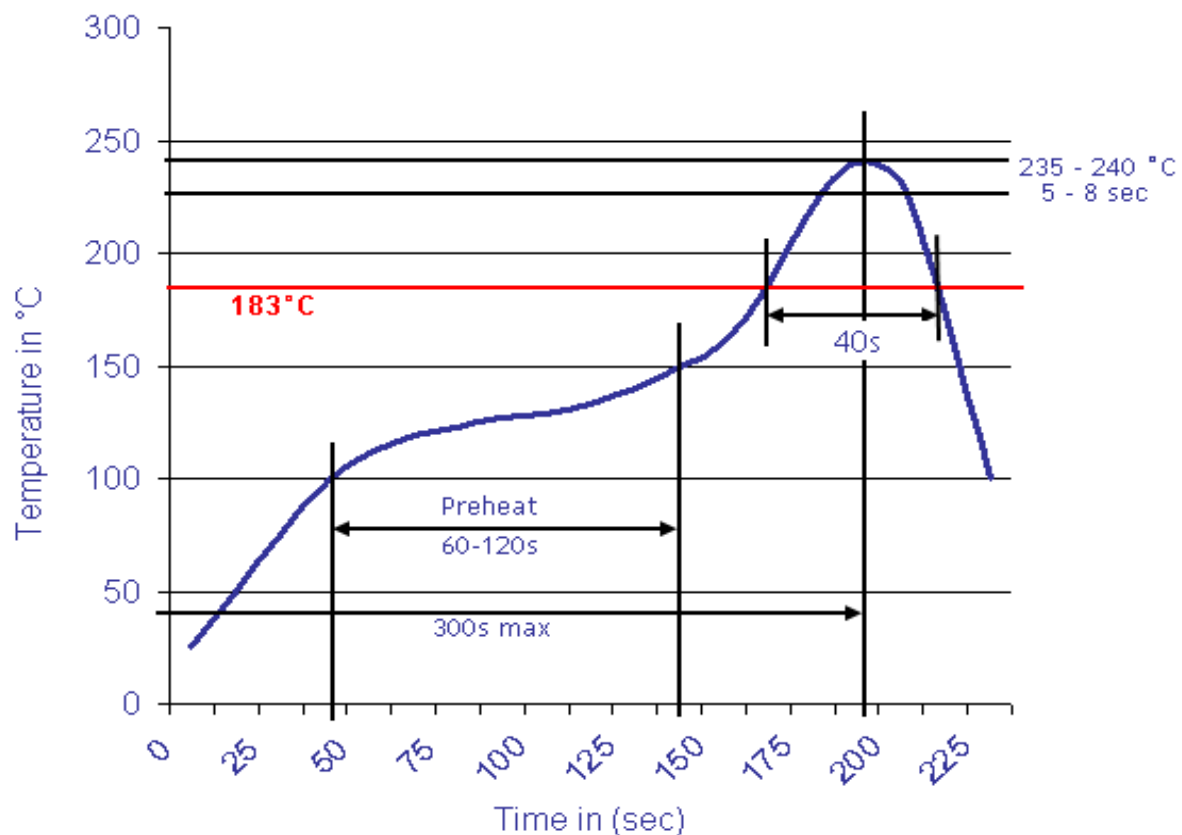
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Soldering Profile Curve

Classification Reflow Profile (JEDEC J-STD-020C)



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